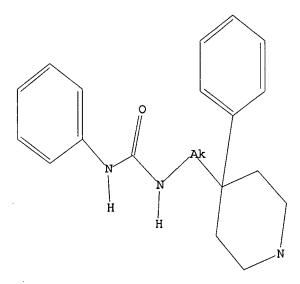
#### **EAST Search History**

| Ref<br># | Hits | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---------------|--|---------------------|---------|------------------|
| L1       | 1585 | 546/193.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 14:23 |
| L2       | 2374 | L! and ACAT   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 14:24 |
| L3       | 1585 | 1             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 14:24 |
| L4       | 7    | L1 and acat   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 14:24 |
| L8       | 859  | 546/192.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 14:25 |
| L9       | 7    | L8 and ACAT   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 14:25 |
| S1       | 2432 | 514/317.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/08/27 09:57 |

#### **EAST Search History**

| S2 | 3188  | ACAT       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/27 10:00 |
|----|-------|------------|--|----|----|------------------|
| S3 | 31    | S1 and S2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/27 10:01 |
| S4 | 0     | "hobssin." | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/27 10:34 |
| S5 | 2964  | hobbs.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/27 10:34 |
| S6 | 18138 | guo.in.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/27 10:34 |
| S7 | 30    | S5 and S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/27 10:34 |

Uploading C:\Program Files\Stnexp\Queries\10511319number2.str chain nodes : 7 8 9 10 11 12 13 ring nodes : 1 2 3 4 5 6 14 15 16 17 18 19 20 21 22 23 24 25 chain bonds : 6-7 7-8 7-9 9-10 9-11 10-12 10-13 13-14 14-20 ring bonds : 1-2 1-6 2-3 3-4 4-5 5-6 14-15 14-19 15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 exact/norm bonds : 6-7 7-9 9-10 9-11 10-13 13-14 14-15 14-19 15-16 16-17 17-18 18-19exact bonds : 7-8 10-12 14-20 normalized bonds : 1-2 1-6 2-3 3-4 4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 isolated ring systems : containing 14 : Match level: 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom L3 STRUCTURE UPLOADED => d 13L3 HAS NO ANSWERS L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 13

SAMPLE SEARCH INITIATED 09:31:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 879 TO ITERATE

100.0% PROCESSED 879 ITERATIONS 9 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 15802 TO 19358

PROJECTED ANSWERS: 9 TO 360

L4 9 SEA SSS SAM L3

=> s 13 full
FULL SEARCH INITIATED 09:31:42 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 17526 TO ITERATE

100.0% PROCESSED 17526 ITERATIONS 185 ANSWERS SEARCH TIME: 00.00.01

L5 185 SEA SSS FUL L3

=> d scan

s 15

4 L5

=> d cbib abs hitstr 1-4

ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
-1078248 Document No. 143:360127 Preparation of diagnostic and therapeutic alxyl biperidine/piperazine compounds for neuron imaging and treating neurodegenerative disease. Elmaleh, David R.; Songwoon, Choi; Fishman, Alan J. (USA). U. S. Pat. Appl. Publ. US 2005222166 Al 20051066, 21 pp. (English). CODEM: USXXCO. APPLICATION: US 2004-814118 20040331. L6 ANSWER 1 2005:1078248

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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Piperidine or piperazine compds. useful for treating neurodegenerative diseases characterized by the lack of dopamine neurons activity or for imaging the dopamine neurons are characterized by the formulas I-V: m = 1-6; X; Y, Z1, Z2, and Z3 = H, halo, haloakky, alky1, ary1, (C1-C6) alkoxy, N-alky1, (C2-C6) acyloxy, N-alkylene, -SH, SK, wherein R is from the same group as R1 and R2, NH3, NO, CN, OH, CCOR6, C(O)HR5R4, NR3R2, or S(O)KR1 wherein k = 1 or Z and R1 to R6 = H or (C1-C6)alkyl: R1 and R2 = H, (C1-C6)alkyl: R1 and R2 = H, (C1-C6)alkyl: NCCCOR1, CN, (C1-C6)alkenyl, (C2-C6)alkyl), or (UN)substituted 1,2,4-oxadiazol-5-yl: R7 = H, Or Ph. R8 = H, Ph, halophenyl, nitrophenyl, phytidyl, pipercnyl or sulfconsylineryl or S1 = NH2 or C1-C6 amino aminoalkyl: A = N or C; T= C1-C6 alkyl or sulfconyl: Q=NH2 or C1-C6 amino AB

RL: DGN (Diagnostic use); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) 866006-35-1P

H

(drug candidate) record of diagnostic and therapeutic alkyl piperidine/piperatine compds. for neuron imaging and treating neurodegenerative disease)

866006-35-1 CAPLUS Urea, N-[{1-[4-{bis(4-fluorophenyl)methoxy]butyl}-4-phenyl-4-piperidinyl]methyl]-N'-(4-fluorophenyl)- (9CI) (CA INDEX NAME) S S

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN 2005:636154 Document No. 143:306138 Discovery and SAR of biaryl piperidine MCH1 receptor antagonists through solid-phase encoded combinatorial

Page 1

## Print selected from 10511319.trn

synthesis. Guo, Tao: Shao, Yuefei; Qian, Gang; Rokosz, Laura L.; Stauffer, Tara M.; Hunter, Rachael C.; Babu, Suresh D.; Gu, Huizhong; Hobbs, Doug W. Fhinceton, NJ, 08543-5350, USA). Bioroganic & Medicinal Chemistry Letters, 15(16), 3696-3700 (English) 2005. CODEN: EMCLE8. ISSN: 0960-894X. Publisher: Elsevier B.V.. An encoded combinatorial library based on aryl- and biarylpiperidine  $\mbox{\sc An}$ 

relocded computation in the discovery of high-nanomolar biarypiperions of this library resulted in the discovery of high-nanomolar biarylpiperidine-based MCH1 receptor antagonists. Follow-up optimization using a parallel synthesis provide, potent, single digit nanomolar antagonists.
473756-55-39
R. COM (Combinatorial preparation); PAC (Pharmacological activity); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation) (discovery and SAR of biarylpiperidine MCH1 receptor antagonists through solid-phase emdncoded combinatorial synthesis)
473736-33-3 CAPLIB
Urea, N.-(3.5-dichlorophenyl)-N'-[[4-[4-(1H-indol-5-yl)phenyl]-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) ΑB

ΙI

S S

H

473735-74-99 473735-75-09 473735-81-89 473735-91-89 473735-92-19 473735-93-74-99 473735-87-19 473735-91-89 473735-93-10-80 473735-93-10-80 473736-03-29 473736-10-80 473736-10 473735-61-4P 473735-71-6P 473735-72-7P

Z N

473735-61-4 CAPLÚS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperici.yl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

473735-71-6 CAPLUS
4-Piperidinemethanamine, N-[[(3,5-dichlorophenyl)amino]carbonyl]-1-(methylsulfonyl)-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME) S S

473735-72-7 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9C1) (CA INDEX NAME) C &

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473735-74-9 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

473735-75-0 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-(4-methylphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C &

Page 4

473735-81-8 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,4-difluorophenyl)- (9CI) (CA INDEX NAME) S S

473735-85-2 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3-cyanophenyl)- (9CI) (CA INDEX NAME) C. R.

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473735-87-4 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-[2-methoxyethyl]-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C RN

473735-92-1 CAPLUS
Acetamide, N-[4'-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-1-methyl-4-piperidinyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME) C. Z.

RN 473735-95-4 CAPLUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[[4-(3'-formyl[1,1'-biphenyl]-4-yl)-1methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473736-07-i CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-08-2 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-methyl-4-piperidinyl]methyl}N'-phenyl- (9CI) (CA INDEX NAME)

RN 473736-10-6 CAPLUS

CN Urea, N-[4-Chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Cl

Cl

CF3

Page 8

RN 473736-20-8 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-biphenyl]-4-yl}-1-propyl-4-piperidinyl]methyl]N'-(3,5-dichlorophenyl}- (9CI) (CA INDEX NAME)

RN 473736-31-1 CAPLUS CN Urea, N-[[4-(3'-Chloro[1,1'-biphenyl]-4-yl}-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9C1) (CA INDEX NAME)

RN 473736-39-9 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(1-methylethyl)-4piperidinyl]methyl]-1-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

Page 9

Print selected from 10511319.trn

473736-40-2 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-cyclopentyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

S S

RN 473736-63-9 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-cyclobutyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-66-2 CAPLUS
CN Urea, N-[[1-buty1-4-(3'-cyano[1,1'-biphenyl]-4-yl)-4-piperidinyl]methyl]N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-73-1 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-ethyl-4-piperidinyl]methyl]N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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RN 473736-78-6 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-cyclohexyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 864674-47-5 CAPLUS
CN Urea, N-(2-fluorophenyl)-N'-[[1-[(1-methyl-1H-benzimidazol-2-yl)methyl]-4[4-(3-pyzidinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Page 12

RN 864674-48-6 CAPIUS
CN 4-Piperidinemethanamine, N-[[(2-fluorophenyl)amino]carbonyl]-1(phenylsulfonyl)-4-[4-(3-pyridinyl)phenyl]- (9C!) (CA INDEX NAME)

RN 864674-49-7 CAPLUS
CN 1-Piperidinesul[onamide, 4-[[[{3,5-dichlorophenyl]amino]carbonyl]amino]me
thyl]-N,N-dimethyl-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

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864674-50-0 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(1-methylpropyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Z Z

RN 864674-51-1 CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(2,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Page 14

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
2003:87525 Document No. 139:364832 Preparation of piperidine derivatives as
ACAT inhibitors for treatment of hyperlipemia and arteriosclarosclarosis. Ban,
Hitoshi: Muraoka, Masami (Sumitomo Pharmaceuticals Co., Ltd., Japan). PCT
Int. Appl. WO 2003091216 AI 20031106, 72 pp. DESIGNATED STATES: W: AE, CR, CU, ID, IL, MG, MK, SG, SK, ZW; RW: GB, GR, IV, MA, MD, MG, M SC, SD, SE, SG, S YU, ZA, ZM, ZW, R FI, FR, GA, GB, G TR. (Japanese). CH, CN, CO, GM, HR, HU, BZ, CA, CH GE, GH, GM LT, LU, LV RO, RU, YU VC, VN, YU DK, ES, TR 20030422. BG, BR, BY, B FI, GB, GD, G LK, LR, LS, L PH, PL, PT, R CW, US, UZ, V CM, CY, DE, PT, SE, SN, T AC, AL, AM, AT, AU, AZ, BA, BB, BG, CZ, DE, DK, DW, DZ, EC, EE, ES, FI IN, IS, JP, KE, KG, KR, KZ, LC, LK, MW, MW, MX, MZ, NI, NO, NZ, OW, PH, SL, TJ, TM, TR, TT, TZ, UA, UG, AT, BE, BF, BJ, CF, CG, CH, CI, CM, IE, IT, LU, MC, ML, MR, NE, NL, PT, CODEN: PTXXXD2. APPLICATION: WO 2002-124311 20020425.

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The title compds. I [wherein m and n = independently 0-4; m + n = 4; L = (un)substituted aryly, R = H, (un)substituted aryly, R = H, (un)substituted aryly, R = H, (un)substituted alkyl, alkonyl, alkynyl, cycloalkyl, aryl, or COH; R31-834 = independently H, OH, alkoxy, aralkyloxy, or (un)substituted alkyl, etc.; R35 and R36 = independently H or (un)substituted alkyl; or R35 and R36 together form an oxo group] and prodrugs or pharmaceutically acceptable salts thereof are prepared as acyl-CoA:choiesterol acyltransferase (ACAT) inhibitors, and are useful for the treatment of hyperlipemia, arteriosclerosis, etc. (no data). For example, the compound II was prepared in a multi-step synthesis. Il showed 63% inhibitory activity against 620593-35-39 620593-35-3P 620593-30-7P

II

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses); (Gruy candidate; preparation of piperidine derive, as ACAT inhibitors for treatment of hyperlipemia and arteriosclerosis)

Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-4piperid:cyl]methyl]-, monohydrochloride (9Cl) (CA INDEX NAME) S S

Page 16

● HC1

RN 620593-36-4 CAPLUS
CN 4-Piperidinemethanamine, 1-acety1-N-[[[2,6-bis(1-methylethyl]) - (9CI) (CA INDEX NAME)

RN 620593-43-3 CAPLUS
CN Carbanic acid, [4-[[[[[4-[3-[3-(i),3-dihydro-1,3-dioxo-2H-isoindol\_2-y]]
yl)propoxy)phenyl]-l-phenyl-4-piperidinyl]methyl]amino]carbonyl]amino]-3,5-bis(l-methylethyl)phenyl]-, 1,1-dimethylethyl ester (9Cl) (CA INDEX NAME)

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II 62053-34-2P 620593-37-5P 620593-86-P
620593-40-0P 620593-41-1P 620593-42-2P
620593-41-4P 620593-46-6P
620593-47-7P 620593-46-6P
620593-50-2P 620593-51-3P 620593-54-P
620593-50-P 620593-51-3P 620593-54-P
620593-56-P 620593-51-9P 620593-54-P
620593-56-P 620593-56-P 620593-60-P
620593-62-P 620593-60-P 620593-61-P
620593-62-P 620593-60-P 620593-61-P
620593-62-P 620593-63-P
620593-17-P 620593-69-P
620593-72-P 620593-72-P
620593-71-P 620593-72-P
620593-71-P 620593-72-P
620593-71-P 620593-72-P
620593-71-P 620593-78-P
620593-71-P 620593-78-P
620593-78-P
620593-83-P
620

(Therspectic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of piperidine derivs. as ACAT inhibitors for tre: ment of hyperlipemia and arteriosclerosis)
62053-3:-2 CAPLUS
Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(phenylm-chyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Z Z

Procentification of the control of t

RN 620593-37-5 CAPLUS
CN Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[1-ethyl-4-(3-methoxyphenyl)-4piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-38-6 CAPLUS CN Urea, N-{2,6-bis(1-methylethyl)phenyl}-N'-[[4-(3-methoxyphenyl)-1-methyl-4piperidinyl}methyl]- (9CI) (CA INDEX NAME)

RN 620593-40-0 CAPLUS
CN Urea, N-[4-damino-2,6-bis(1-methylethyl)phenyl]-N'-[{4-(3-methoxyphenyl)-1-phenyl-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

RN 620593-41-1 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methyl)phenyl]-N'-[[4-(3-hydroxyphenyl)-1-phenyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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## Print selected from 10511319.trn

RN 620593-42-2 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-[3-(3-hydroxypropoxy)phenyl]-1-phenyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

× HCl

RN 620593-45-5 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1,4-bis(3-methoxypinenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

HC1

620593-46-6 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(3-pyridinyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME) Z Z

•× HCl

620593-47-7 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) S S

Z Z

620593-48-8 CAPLUS Carbamic acid, {4-[[[[[4-(3-hydroxyphenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl]amino]carbonyl]amino]-3,5-bis(l-methylethyl)phenyl]-,

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Print selected from 10511319.trn

1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

S S

620593-49-9 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-butoxyphenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

620593-50-2 CAPLUS carbona ocid, [-[[[[[4-(3-methoxyphenyl)-1-[2-(phenylmethoxy)phenyl]-4-piperio(inyl]methyl]amino]-3.5-bis(1-methyllethyl)phenyl]-, l,1-dimunylethyl ester (9Cl) (CA INDEX NAME) C &

620593-51-3 CAPLUS Z N

CN Urea, N-{4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[(1-{2-(3-hydroxypropoxy)phenyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl}-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

RN 620593-52-4 CAPLUS
CN Carbamic acid, [4-[[[[[4-(3-methoxyphenyl])-1-[3-(phenylmethoxy)-2-pyridinyl]-4-piperidinyl]methyllamino]carbonyl]amino]-3,5-bis(l-methylethyl)phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 620593-53-5 CAPLUS CN Urea, N-[4-anino-2,6-bis(l-methylethyl)phenyl]-N'-[[1-(3-hydroxy-2-pyridinyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

• × HC1

RN 620593-54-6 CAPLUS
CN Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-phenyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-55-7 CAPLUS
CN Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[1-butyl-4-(3-methoxyphenyl)-4piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-56-8 CAPLUS
CN carbainc actd, [4-[[[[4-(3-hydroxypheny])-1-pheny1-4piperidinyl]methylaminojcarbonyl]aminoj-3.5-bis(1-methylethyl)phenyl]-,
1,1-dimethylethyl ester (9C1) (CA INDEX MAME)

Page 24

620593-57-9 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-hydroxyphenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME) Z 2

HC1

620593-58-0 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-[2-[phenylmethoxy)phenyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME) Z Z

HCI

620593-59-1 CAPLUS R.

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Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-hydroxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME) Š

HC1

C Z

620593-60-4 CAPLUS Cyclopropanecarboxamide, N-[3-[3-[4-[[[[[4-amino-2,6-bis(1-methyletinyl]phenyl]amino]carbonyl]amino]methyl]-1-phenyl-4-piperidinyl]phenoxylpropyl]-, hydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

•× HC1

620593-61-5 CAPLUS Z Z

Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(3-methylphenyl)-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) S

620593-62-6 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(3-fluorophenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

620593-63-7 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-[3-(trifluoromethyl)phenyl]-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME) Z Z

Z Z

620593-64-8 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl}-N'-[[1-(2,5-dimethoxyphenyl]-4-(3-methoxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA

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INDEX NAME)

S S

620593-65-9 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(4-fluorophenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

620593-66-0 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[{1-(2-methoxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C R

620593-67-1 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-[3-(trifluoromethyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAWE) Z Z

RN 620593-68-2 CAPLUS CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-phenyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

RN 620593-69-3 CAPIUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-fluorophenyl)-1(2-methoxyphenyl)-4-piperidinyl]methyl} (9CI) (CA INDEX NAME)

RN 620593-70-6 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4[3-(phenylmethoxy)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 620593-71-7 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1,4-bis(2-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-72-8 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-(4-methoxyphenyl)-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

RN 620593-73-9 CAPLUS CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[(11-(3-chloro-2-methoxyphenyl)-4-(3-methoxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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RN 620593-74-0 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxy-5-methylphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-75-1 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(2-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-76-2 CAPLUS
CN Carbanic acid, [4-[[[[1-(2-hydroxyphenyl)-4-(3-methoxyphenyl)-4piperidinyl]methyl]amino]carbonyl]amino]-3.5-bis(1-methylethyl)phenyl]-,
1.1-dimethylethyl ester (9Cl) (CA INDEX NAME)

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RN 620593-77-3 CAPLUS
CN carbamic acid, [4-[[[[1-(3-hydroxy-2-pyridiny])-4-(3-methoxypheny])-4-piperidiny]]methyl]amino]carbonyl]amino]-3.5-bis(1-methylethyl)phenyl]-,1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} i - P_{\mathbf{r}} & 0 \\ & \parallel & \\ & \downarrow & \\ &$$

RN 620593-78-4 CAPLUS

CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[(1-(2-butoxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

RN 620593-79-5 CAPLUS

CN Urea, N-[f4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[f4-(3-methoxyphenyl)-1(3-methoxy-2-pyridinyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA
INDEX NAM.E)

x HCl

RN 620593-80-8 CAPLUS
CN Urea, N-[4-(3-methoxyphenyl]-N'-[[4-(3-methoxyphenyl]-1(3-propoxy-2-pyridinyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA
INDEX NAME)

• HC1

RN 620593-81-9 CAPLUS
CN Urea, N-[4-4.3-main.o.2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1[3-(1-methylethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride
(9C1) (CA INDEX NAME)

Print selected from 10511319.trn

• x HCl

RN 620593-82-0 CAPLUS
CN Urea, N-[4-(3-methoxyphenyl]-N'-[[4-(3-methoxyphenyl)-1(3-(2, 2-trifluorethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-,
hydrochloride (9CI) (CA INDEX NAME)

•x HCl

RN 620593-83-1 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-[3-(2-methoxyethoxy)-2-pyridinyl]-4-[-methoxyphenyl]-4-piperidinyl]methyl]-, hydrochloride (9C1) (GA INDEX NAME)

•× HC1

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- S S
- 620593-84-2 CAPLUS
  Urea, N-[4-amino-2, 6-bis (1-methylethyl)phenyl]-N'-[[1-[3-(2-ethoxyethoxy)-2-pyridinyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9Cl) (CA INDEX NAME)

- •× HC1
- Z Z

- x HCl
- 620593-86-4 CAPLUS Z 2
- Urea, N-[4-amino-2, 6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-[3-(3-methoxypropoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

- •× HC1
- S S
- 620593-87-5 CAPLUS
  Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(2-methoxyphenyl)-4-piperidinyl]methyl]- (9CI)
  (CA INDE: NAME)

но- (сн2) 3-0

620593-88-6 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-[3-(2-hydroxyethoxy)-2-pyridinyl]-4-(3-methoxphenyl)-4-piperidinyl]methyl]-, hydrochloride 9CI) (CA INDEX NAME) Z Z

- •x HCl
- 620593-89-7 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl}-N'-[[4-(3-methoxyphenyl)-1-Z 5
- Page 36

[3-(phenylmethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

•× HC1

620593-99-9P 620594-00-5P RL: RCT (Reactant): SPN (Synthetic preparation); PREP (Preparation); RACT II

(Reactant or reagent)

S S

(intermediate; preparation of piperidine derivs. as ACAT inhibitors for treatment of hyperlipemia and arteriosclerosis) 620593-99-9 CAPLUS (2,5-bis(1-methylethyl)-4-[[[[[1-phenyl-4-[3-[3-[3,3,3-trifluoro-1-oxop.cgy,1]amino]propoxy]phenyl]-4piperidinyl]methyl]amino]carbonyl]amino]phenyl]-4[9C1) (CA libEx Weel)

GI

Z Z

620594-00-5 CAPLUS
Carbamic acid, [4-[[[[1,4-bis(3-methoxypheny])-4piperidinyl]methyllamino]carbonyl]amino]-3,5-bis(l-methylethyl)phenyl]-,
1,1-dimethylethyl ester [9CI] (CA INDEX NAME)

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LG ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
2002:813930 Document No. 137:325334 Preparation of aryl and blaryl
piperidines as MCH antagonists. Hobbs, Douglas W.; Guo, Tao; Hunter,
Rachael C.; Gu, Huizhong; Babb, Suresh D.; Shao, Yuefei (Pharmacopeta,
Inc., USA). PCT Int. Appl. WO 2002083134 A1 20021024, 113 pp. DESIGNATED
STAFES: W. AE, AG, AM, AM, AY, AN, RA, BA, BG, BG, BR, BY, BZ, CA, CH,
CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, S, FI, GB, GD, GE, HR, HU, IN,
IN, IS, JP, KG, KR, KZ, IC, IK, IR, LT, LU, LV, MA, MD, MG, MK, MN,
MX, MS, NO, NZ, PH, PP, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR,
TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW;
TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW;
IT, IU, MC, ML, MR, NE, NI, PT, SE, SN, TD, TG, TR, (English).
CODEN: PIXXOZ. APPLICATION: WO 2002-US11296 20020410. PRIORITY: US

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The title compds. [I: Arl = (un)substituted Ph, pyridyl, pyrimidyl, etc., Z = R4, COR4, SO2R4, etc.; R2 = H, alkyl, alkyl substituted with cycloalkyl; R3 = H, alkyl, cycloalkyl, etc.; R4 = Ph, phenylalkyl], useful for treatment, prevention or ameliocation of one or more of diseases associated with the MCH receptor, were prepared E.g., a 7-step synthesis of II, starting from 3,4-difluorophenyl isocyanate, which showed Ki of 11-100 mM against MCH, was given. This invention provides also pharmaceutical compons. containing one or more of the compds. I for treatment of eating disorders. AB

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IT 47375-60-3P 473735-61-4P 473735-62-5P 473735-71-6P 473735-71-6P 473735-71-8P 473735-8P-2P 473735-8P-2P 473735-8P-2P 473735-8P-2P 473735-8P-2P 473735-8P-2P 473735-9P-4P 473735-9P-4P 473735-9P-4P 473735-9P-4P 473735-9P-4P 473735-9P-4P 473735-9P-4P 473735-9P-4P 473736-1P-2P 473

(Uses)
(preparation of aryl and biaryl piperidines as MCH antagonists)
(preparation of aryl and biaryl piperidines as MCH antagonists)
RN 47335-60-3 CAPLUS
CN Urea, N-[(4-(3-cyano[1,1'-biphenyl]-4-yl)-1-(2-methylpropyl)-4-piperidinyl]mathyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

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RN 473735-61-4 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-biphenyl]-4-yl}-1-(cyclopropylmethyl)-4-piperidinyl]methyl]-W'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-62-5 CAPLUS
CN Ucea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]N'-(2,4-difluorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-71-6 CAPLUS
CN 4-Piperidinemethanamine, N-[[(3,5-dichlorophenyl)amino]carbonyl]-1(methylsulfonyl)-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

473735-72-7 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[I-methyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) S S

473735-73-8 CAPLUS Urea, N-[[1-cyclopentyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]-N'-(3,5-dichloropienyl)- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473735-74-9 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C RN

473735-75-0 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-(4-methylphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

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RN 473735-76-1 CAPLUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[[4-(4-methylphenyl)-4-piperidinyl]methyl](9CI) (CA INDEX NAME)

RN 473735-77-2 CAPLUS
CN Urea, N-[[4-(3-chlorophenyl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-78-3 CAPLUS
CN Urea, N-[[1-(cyclopropylmethyl)-4-(4-methylphenyl)-4-piperidinyl]methyl]N¹-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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Print selected from 10511319.trn

RN 473735-79-4 CAPLUS
CN Urea, N-[[1-cyclopentyl-4-(4-methylphenyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-80-7 CAPLUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[[4-(4-methylphenyl)-1-propyl-4piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473735-81-8 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]N'-(3,4-difluorophenyl)- (9CI) (CA INDEX NAME)

473735-82-9 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-[4-(1-oxido-3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

473735-83-0 CAPLUS Urea, N-(3,4-difluorophenyl)-N'-[[1-methyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

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473735-84-1 CAPLUS
1-PiperIdinesulfonamide, 4-(3'-cyano[1,1'-biphenyl]-4-yl)-4-[[[[(3,5-dichlorcphenyl)amino]carbonyl]amino]methyl]-N,N-dimethyl- (9CI) (CA INDEX MARE) S S

473735-85-2 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3-cyanophenyl)- (9CI) (CA INDEX NAME) S S

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473735-86-3 CAPLUS Urea, N-[{4-[4-(1,3-benzodioxol-5-yl)phenyl]-1-(2-methoxyethyl)-4-piperidinyl]methyl]nv-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME) S S

473735-97-4 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-(2-methoxyethy1)-4-piperidinyl]methyl]-N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME) C Z

Print selected from 10511319.trn

473735-88-5 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

S S

473735-89-6 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-methy1-4-piperidiny1]methy1]-N'-(2,4-dichloropheny1)- (9CI) (CA INDEX NAME) S S

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473735-92-1 CAPLUS Acetamide, N-[4'-[4-[[[[3,5-dichlorophenyl]amino]carbonyl]amino]methyl]-1-methyl-4-piperidinyl][[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME) S S

473735-93-2 CAPLUS Urea, N-[[4-[4-(2-benzofuranyl)phenyl]-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473735-94-3 CAPLUS Urea, N-[[4-(3'-amino[1,1'-biphenyl]-4-yl]-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

473735-95-4 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-(3'-formyl[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C &

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473735-96-5 CAPLUS Urea, N-[[4-[4-(1,3-benzodioxol-5-y1)phenyl]-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C Z

473735-97-6 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(6-methoxy-3-pyridinyl)phenyl]-1-methyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) Z 2

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473736-00-4 CAPLUS Urea, N-[4-chloro-2-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) Z Z

473736-01-5 CAPLUS

Vera, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)]-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-[4-chloro-2-(trifluoromethyl)phenyl]- (9CI) (CA
INDEX NAME) C. R.

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473736-02-6 CAPLUS Urea, N-[[4-{3'-chloro[1,1'-biphenyl]-4-yl}-1-(cyclopropylmethyl)-4-piperidinyl]methyl]-N'-(3-chloro-4-fluorophenyl)- (9CI) (CA INDEX NAME) CN N

473736-03-7 CAPLUS
Urea, "I-{4-chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (GAINDEX NAME) S S

Print selected from 10511319.trn

473736-04-8 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) CN N

473736-05-9 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-[4-chloro-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) Z Z

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473736-07-1 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C R

RN 473736-08-2 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]N'-phenyl- (9Cl) (CA INDEX NAME)

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# Print selected from 10511319.trn

473736-09-3 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME) N N

473736-10-6 CAPLUS Urea, N-[4-chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C N

473736-11-7 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) C Z

RN 473736-12-8 CAPLUS CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 473736-13-9 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]N'-[4-chloro-2-(trifluoromethyl)phenyl]- (9Cl) (CA INDEX NAME)

Print selected from 10511319.trn

Me C1

RN 473736-14-0 CAPLUS
CN Urea, N-(4-chlorco-2-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (GC) (CA INDEX NAME)

CH2 N CH2 CH2

RN 473736-15-1 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl]-1-(cyclopropylmethyl)-4-piperidinyl]methyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CAINDEX NAME)

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RN 473736-16-2 CAPLUS
CN Urea, N-[{4-(3'-chloro[1,1'-biphenyl]-4-yl}-1-methyl-4-piperidinyl]methyl]N'-phenyl- (9CI) (CA INDEX NAME)

RN 473736-17-3 CAPLUS CN Urea, N-[2-chloro-5-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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## Print selected from 10511319.trn

RN 473736-18-4 CAPLUS CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 473736-19-5 CAPLUS
CN Urea, N-(3-chloro-4-fluorophenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-picyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

N O CHS

RN 473736-20-8 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-21-9 CAPLUS
CN Urea, N-[4-chloco-2-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473736-22-0 CAPLUS
CN Urea, N-[2-chloro-5-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-blphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (9CI) (CAINDEN NAME)

Print selected from 10511319.trn

RN 473736-23-1 CAPLUS CN Urea, N-[2-chloro-5-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-N'-[[4-(3'-cyano[1,1'-cyano[1,1'-biphenyl]-N'-[[4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

N 473736-24-2 CAPLUS N Urea, N-[[4-(3'-chloro[1,1'-bipheny1]-4-y1]-1-(cyclopropylmethy1)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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473736-25-3 CAPLUS Urea, N-[4-chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME) C RN

473736-27-5 CAPLUS
Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (9CI) (CA
INDEX NAME) S S

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473736-28-6 CAPIUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C. R.

473736-31-1 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C R

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RN 473736-32-2 CAPLUS CN Urea, N-[{4-(3'-chloro[1,1'-bipheny1]-4-y1)-1-cyclopenty1-4piperidiny1]methy1]-N'-(3,5-dichloropheny1)- (9C1) (CA INDEX NAME)

RN 473736-33-3 CAPIUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[{4-[4-(1H-indol-5-yl)phenyl]-1-methyl-4piperidinyl]methyl]- (9C1) (CA INDEX NAME)

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473736-34-4 CAPLUS
Acctamide, N-[4-[[[[3,5-dichlorophenyl]amino]carbonyl]amino]methyl]-1(l-methylethyl)-4-piperidinyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX
NAME)

S S

473736-35-5 CAPLUS Urea, N-[[4-(3'-acetyl[1,1'-biphenyl]-4-yl)-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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RN 473736-36-6 CAPLUS CN Urea, N-[[4-[4-[4-(1,3-benzodioxol-5-yl]phenyl]-1-cyclopentyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-37-7 CAPLUS
CN Urea, N-[[4-[4-[4,1,3-benzodioxol-5-yl]phenyl]-1-(1-methylethyl]-4piperidinyl]methyl]-N'-[3,5-dichlorophenyl]- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-38-8 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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RN 473736-39-9 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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RN 473736-40-2 CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-cyclopenty1-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9C1) (CA INDEX NAME)

RN 473736-44-6 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4piperidinyl]methyl]-N'-[3-fluoro-5-(trifluoromethyl)phenyl]- (9CI) (CA
INDEX NAME)

Print selected from 10511319.trn

RN 473736-45-7 CAPLUS CH Urea, N-(3-chloro-4-fluorophenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473736-46-8 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(2-methoxyethyl)-4piperidinyl]methyl]-N'-(3,4-difluorophenyl)- (9CI) (CA INDEX NAME)

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473736-47-9 CAPIUS Urea, N-1,3-benzodioxol-5-yl-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-l-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C N

473736-48-0 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[3'-(hydroxymethyl)[1,1'-biphenyl]-4-yl]-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473736-49-1 CAPLUS Urea, N-[4-chlorco-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

473736-50-4 CAPLUS Urea, N-(3-chloro-4-methoxyphenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

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RN 473736-51-5 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]-H'-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-53-7 CAPLUS
CN Urea, N-1,3-benzodioxol-5-yl-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-55-9 CAPLUS

CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-[4-fluoro-3-(trifluoromethyl)phenyl]- (9Cl) (CA
INDEX MAME)

RN 473736-56-0 CAPLUS
CN Urea, N-1,3-benzodioxol-5-yl-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1propyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

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RN 473736-57-1 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]N'-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-58-2 CAPIUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]N'-[4-fluoro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

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RN 473736-60-6 CAPLUS
CM Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-(2-methoxyethy1)-4piperidiny1]methy1]-N'-(3,5-difluoropheny1)- (9CI) (CA INDEX NAME)

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RN 473736-61-7 CAPLUS
CN Acetamide, N-[4'-[1-butyl-4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]m ethyl]-4-piperidinyl][[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)

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RN 473736-62-8 CAPLUS
CN Urea, N-[{4-(3'-chloro[1,1'-bipheny1]-4-y1)-1-cyclobuty1-4piperidiny1]methy1]-N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME)

RN 473736-63-9 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1]-1-cyclobuty1-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-64-0 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(tetrahydro-2H-pyran-4-yl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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No.

473736-65-1 CAPLUS
Acetamide, N-[4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-1(tetramydroc-2H-pyran-4-yl)-4-piperidinyl][[1,1'-biphenyl]-3-yl]- (9CI) (CA
INDEX WAMS)

C &

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473736-66-2 CAPLUS Urea, N-[[1-bury]-4-(3'-cyano[1,1'-bipheny]]-4-yl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME) Z Z

473736-67-3 CAPLUS Urea, N-[{4-(3'-chloro[1,1'-biphenyl]-4-yl}-1-(2-methylpropyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) % %

Print selected from 10511319.trn

473736-68-4 CAPLUS Urea, N-[[1-buty1-4-(3'-chloro[1,1'-biphenyl]-4-yl}-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

473736-69-5 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-bipheny1]-4-y1)-1-(tetrahydro-2H-pyran-4-y1)-4-piperidiny1]methy1]-N'-(3,5-dichloropheny1)- (9C1) (CA INDEX NAME) C R

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473736-71-9 CAPLUS Urea, N-(3-chloro-4-fluorophenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-[3,3,3-trifluoropzcpyl)-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME) S S

473736-72-0 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(3,3,3-trifluoropropyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473736-73-1 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-ethyl-4-piperidinyl]methyl]-N'-(3,5-cichlorophenyl)- (9CI) (CA INDEX NAME) CN CN

C Z

473736-74-2 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl}-1-cyclohexyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

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RN 473736-75-3 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl]-1-ethyl-4-piperidinyl]methyl]N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-76-4 CAPLUS CN Acctamide, N-[4'-[1-cyclohexyl-4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-4-piperidinyl][1,1'-biphenyl]-6-7-yl]- (9Cl) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-77-5 CAPLUS

CN Urea, N-(3,5-dichlorophenyl)-N'-[[1-ethyl-4-[3'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]-4-plperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473736-78-6 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-cyclohexyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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IT 473736-95-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aryl and biaryl piperidines as MCH antagonists)
RN 47376-95-7 CAPLUS
CN Urea, N-[2,4-difluorophenyl]-N'-[[4-(4-iodophenyl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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